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RAW SEQUENCE LISTING

DATE: 09/03/2002

PATENT APPLICATION: US/09/722,495A

TIME: 15:19:12

Input Set : A:\sub_seqlist_1503_0220002.ST25.txt

Output Set: N:\CRF4\09032002\I722495A.raw

3 <110> APPLICANT: Springer, Barry A.
 4 Pantoliano, Michael W.
 5 Sharp, Celia M.
 7 <120> TITLE OF INVENTION: Analogs of Human Basic Fibroblast Growth Factor Mutated
 8 at One or More of the Positions Glutamate 89, Aspartate 101
 9 or Leucine 137
 11 <130> FILE REFERENCE: 1503.0220002
 13 <140> CURRENT APPLICATION NUMBER: US 09/722,495A
 C--> 14 <141> CURRENT FILING DATE: 2002-08-21
 16 <150> PRIOR APPLICATION NUMBER: US 09/220,077
 17 <151> PRIOR FILING DATE: 1998-12-23
 19 <150> PRIOR APPLICATION NUMBER: US 60/068,667
 20 <151> PRIOR FILING DATE: 1997-12-23
 22 <160> NUMBER OF SEQ ID NOS: 4
 24 <170> SOFTWARE: PatentIn version 3.1
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 483
 28 <212> TYPE: DNA
 29 <213> ORGANISM: Homo sapiens
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 32 <221> NAME/KEY: CDS
 33 <222> LOCATION: (1)..(474)
 34 <223> OTHER INFORMATION:
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 38 <221> NAME/KEY: mat_peptide
 39 <222> LOCATION: (4)..()
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 45 Met Gly Thr Met Ala Ala Gly Ser Ile Thr Thr Leu Pro Ala Leu Pro
 46 -1 1 5 10 15
 48 gag gat ggc ggc agc ggc gcc ttc ccg ccc ggg cac ttc aag gac ccc 96
 49 Glu Asp Gly Gly Ser Gly Ala Phe Pro Pro Gly His Phe Lys Asp Pro
 50 20 25 30
 52 aag cgg ctg tac tgc aaa aac ggg ggc ttc ttc ctg cgc atc cac ccc 144
 53 Lys Arg Leu Tyr Cys Lys Asn Gly Gly Phe Phe Leu Arg Ile His Pro
 54 35 40 45
 56 gac ggc cga gtt gac ggg gtc cgg gag aag agc gac cct cac atc aag 192
 57 Asp Gly Arg Val Asp Gly Val Arg Glu Lys Ser Asp Pro His Ile Lys
 58 50 55 60
 60 cta caa ctt caa gca gaa gag aga gga gtt gtg tct atc aaa gga gtg 240
 61 Leu Gln Leu Gln Ala Glu Glu Arg Gly Val Val Ser Ile Lys Gly Val
 62 65 70 75

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64 tgt gct aac cgg tac ctg gct atg aaa gaa gat ggt cga ctg ctg gct      288
65 Cys Ala Asn Arg Tyr Leu Ala Met Lys Glu Asp Gly Arg Leu Leu Ala
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68 tct aaa tgc gtt acc gat gag tgc ttc ttc ttc gaa cgt ctc gag tct      336
69 Ser Lys Cys Val Thr Asp Glu Cys Phe Phe Phe Glu Arg Leu Glu Ser
70                               100                               105                               110
72 aac aac tac aac acc tac cgt tcg aga aaa tac acc agt tgg tat gtg      384
73 Asn Asn Tyr Asn Thr Tyr Arg Ser Arg Lys Tyr Thr Ser Trp Tyr Val
74                               115                               120                               125
76 gca ctt aag cgt acc ggt cag tac aaa ctt ggt tct aag acg ggc cca      432
77 Ala Leu Lys Arg Thr Gly Gln Tyr Lys Leu Gly Ser Lys Thr Gly Pro
78                               130                               135                               140
80 ggt cag aaa gct atc ctg ttc ctg ccg atg tct gct aaa tct tgaggatcc      483
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96 Glu Asp Gly Gly Ser Gly Ala Phe Pro Pro Gly His Phe Lys Asp Pro
97                               20                               25                               30
100 Lys Arg Leu Tyr Cys Lys Asn Gly Gly Phe Phe Leu Arg Ile His Pro
101                               35                               40                               45
104 Asp Gly Arg Val Asp Gly Val Arg Glu Lys Ser Asp Pro His Ile Lys
105                               50                               55                               60
108 Leu Gln Leu Gln Ala Glu Glu Arg Gly Val Val Ser Ile Lys Gly Val
109                               65                               70                               75
112 Cys Ala Asn Arg Tyr Leu Ala Met Lys Glu Asp Gly Arg Leu Leu Ala
113 80                               85                               90                               95
116 Ser Lys Cys Val Thr Asp Glu Cys Phe Phe Phe Glu Arg Leu Glu Ser
117                               100                               105                               110
120 Asn Asn Tyr Asn Thr Tyr Arg Ser Arg Lys Tyr Thr Ser Trp Tyr Val
121                               115                               120                               125
124 Ala Leu Lys Arg Thr Gly Gln Tyr Lys Leu Gly Ser Lys Thr Gly Pro
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134 <212> TYPE: DNA
135 <213> ORGANISM: Homo sapiens
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140 ttttttgaac gattggaatc taataactac aatacttacc gctcgagaaa ataccaccgt      120
142 tggatatgtg cacttaagcg taccgggtcag tacaagcttg gttctaaaaa ggggcc      175
145 <210> SEQ ID NO: 4

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146 <211> LENGTH: 11
147 <212> TYPE: PRT
148 <213> ORGANISM: Artificial Sequence
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151 <221> NAME/KEY: misc_feature
152 <223> OTHER INFORMATION: T7 peptide
154 <400> SEQUENCE: 4
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VERIFICATION SUMMARY

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L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date